



IFW

Att'y Dkt. No. US-164  
U.S. App. No. 10/784,980

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Savrasova et al.

Appl. No.: 10/784,980

Filing Date: February 25, 2004

Title: Process for producing L-amino acids by  
fermentation of a mixture of glucose and  
pentoses

Art Unit: 1652

Examiner: to be assigned

Atty. Docket: US-164

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on the accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that an exhaustive search has been made, or that there does not exist information more material to the examination of the present patent application. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will review art of record in all 35 U.S.C. § 120 priority documents.

☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

☐2. The Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

☐a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

☐b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐c. Attached is our check no. \_\_\_\_\_ in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).

☐3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicants hereby petition that the Information Disclosure Statement be considered. Attached is our check no. \_\_\_\_\_ in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

☐a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

☐b. I hereby certify that no item of information on this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐4. Relevance of the non-English language document(s) is discussed in the present specification. See pages \_\_\_\_\_ of the specification of the present application.

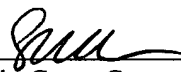
☐5. The document(s) was/were cited in a corresponding foreign application. ☐ A copy of a search report issued in the foreign application is attached. ☐ An English language version of the foreign search report is attached for the Examiner's information. M.P.E.P. § 609 (A)(3).

☐6. A concise explanation of the relevance of the non-English language document(s) ☐ is attached hereto or ☐ appears below.

- ☐ 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☐ 9. Other: \_\_\_\_\_.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

Respectfully submitted,

By:   
Shelly Guest Cermak  
Reg. No. 39,571

Date: July 9, 2004

**000038108**

PATENT TRADEMARK OFFICE

Ajinomoto USA, Inc.

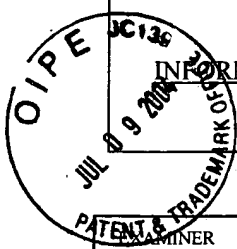
1120 Connecticut Avenue

Ste. 1010

Washington D.C. 20036

202 457 0284

202 457 0107 FAX



FORM PTO 1449	ATTY. DKT. NO.: US-164	APP. NO.: 10/784,980
INFORMATION DISCLOSURE STATEMENT		
APPLICANT(S): Savrasova et al.		
FILING DATE: February 25, 2004		Group Art Unit: 1652

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUB'N DATE	NAME	CLASS	SUB-CLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

## OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

	Lawford H. G. et al., "Performance Testing of Zymomonas mobilis Metabolically Engineered for Cofermentation of Glucose, Xylose, and Arabinose", Applied Biochemistry and Biotechnology, 2002, Vol. 98-100, 429-448
	Dien B. S. et al., "Development of New Ethanologenic Escherichia coli Strains for Fermentation of Lignocellulosic Biomass", Applied Biochemistry and Biotechnology, 2000, Vol. 84-86, 181-196
	Walthers T. et al., "Model Compound Studies", Applied Biochemistry and Biotechnology, 2001, Vol. 91-93, 423-435
	Mohagheghi A. et al., "Cofermentation of Glucose, Xylose, and Arabinose by Genomic DNA-Integrated Xylose/Arabinose Fermenting Strain of Zymomonas mobilis AX101", Applied Biochemistry and Biotechnology, 2002, Vol. 98-100, 885-898
	Aristidou A. et al., "Metabolic engineering applications to renewable resource utilization", Current Opinion in Biotechnology, 2000, Vol. 11, 187-198
	Deanda K. et al., "Development of an Arabinose-Fermenting Zymomonas mobilis Strain by Metabolic Pathway Engineering", Applied and Environmental Microbiology, Dec. 1996, Vol. 62, No. 12, 4465-4470
	Nichols N. N., "Use of catabolite repression mutants for fermentation of sugar mixtures to ethanol", Appl. Microbiol. Biotechnol., 2001, Vol. 56, 120-125
	Li K. et al., "Microbial Synthesis of 3-Dehydroshikimic Acid: A Comparative Analysis of D-Xylose, L-Arabinose, and D-Glucose Carbon Sources", Biotechnol. Prog., 1999, Vol. 15, 876-883
	Hashiguchi K. et al., "Construction of an L-Isoleucine Overproducing Strain of Escherichia coli K-12", Biosci. Biotechnol. Biochem., 1999, Vol. 63, No. 4, 672-679

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	